



National Health Interview Survey

Using the 1997 and 1998 Injury and Poisoning Data Files

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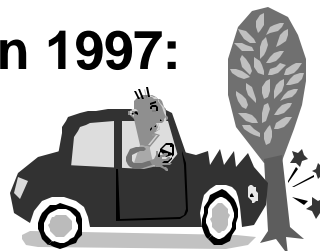


The Focus of the Injury and Poisoning Data

- ◆ Prior to 1995:
 - ◆ Conditions



- ◆ Beginning in 1997:
 - ◆ Episodes



Location of Injury and Poisoning Data

- ◆ **1995: Condition file**
- ◆ **1997:**
 - ◆ **Injury Episode file**
 - ◆ **Injury Verbatim file**
 - ◆ **Poison Episode file**
 - ◆ **Person file**

Episode Based Files

- ◆ **Injury Episode file**
- ◆ **Injury Verbatim file**
- ◆ **Poison Episode file**
- ◆ **A person will appear in these files as many times as he/she has unique episodes**



Person Based File

- ◆ Person file
- ◆ A person will appear only one time in this file



Where to Find Injury and Poisoning Data



- ◆ 1997
 - ◆ www.cdc.gov/nchs/nhis.htm
 - ◆ CD Rom
- ◆ 1998
 - ◆ www.cdc.gov/nchs/nhis.htm

How Do I Get the Data?



Downloading Data from Website

- Create subdirectory called *NHIS1997* for 1997 data and *NHIS1998* for 1998 data on hard drive
- Download file from FTP site to subdirectory

Extracting the .EXE File

- **From DOS – Type file name without .EXE extension**
- **From Windows – double click on file**

1997 NHIS CD Rom

- **Files are in ASCII format**
- **Files can be read directly from CD Rom**

How Do I Get the ASCII Files into a Stats. Software package?



Reading in the Data

- **SAS Programs**
 - **File name.sas**
- **SPSS Programs**
 - **File name.sps**

SAS/SPSS Programs

- ◆ **Website: download and save programs to hard drive**
- ◆ **CD Rom: read programs directly from CD Rom**

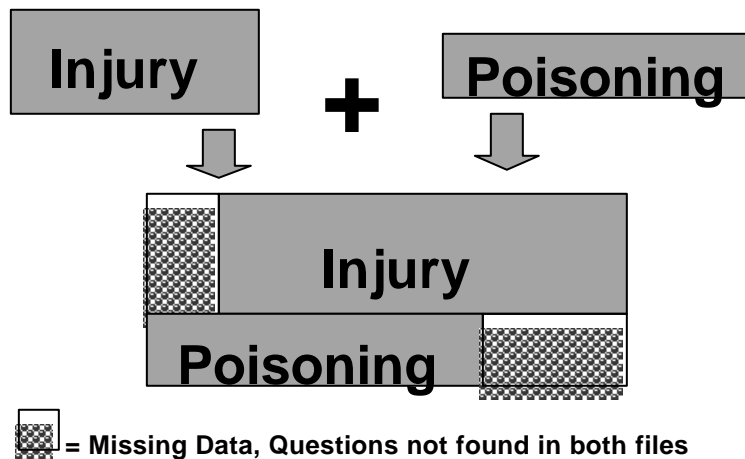
INJEPSOD.SAS Results

- ◆ **ASCII converted to SAS**
- ◆ **Variable and value labels**
- ◆ **Contents procedure of file**
- ◆ **Weighted and unweighted frequency counts of variable record type**

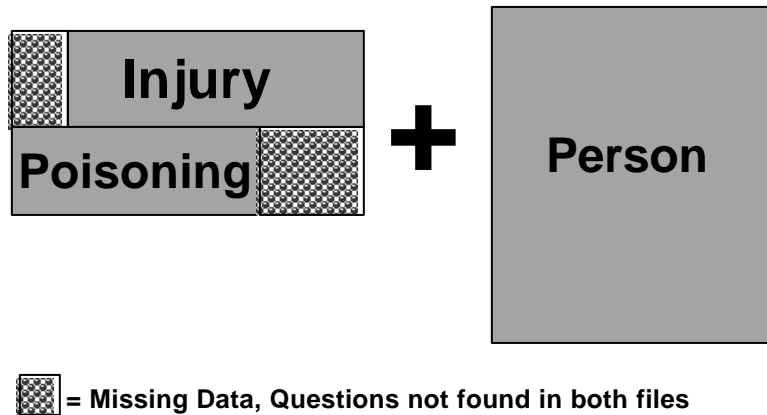
How Do I Put the Data Together?



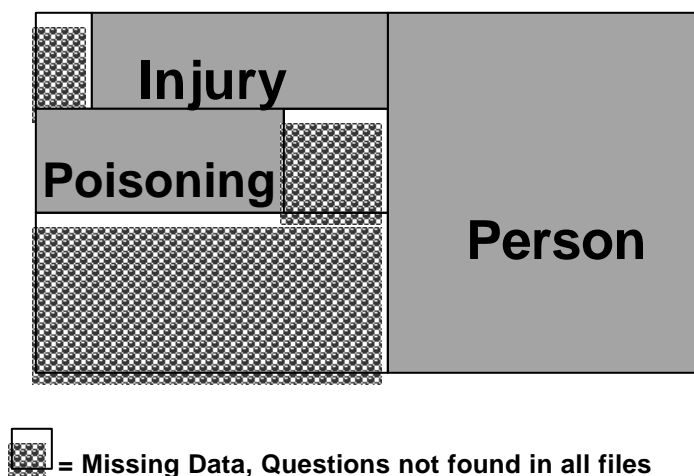
Concatenating Injury and Poisoning Episode Files



Merging Injury/Poisoning Episode File and Person File



Merged Injury/Poisoning Episode File and Person File



Things to Know About the Files: Those Little Quirks



Calculating Annual Estimates

- ◆ $(\text{variable})(4)(\text{WTFA}) = \text{Annual Estimate of Variable}$
- ◆ Annual estimates of episodes and conditions can be made
- ◆ Annual estimates of the number of persons injured can NOT be made due to the 3 month reference period

Injury and Poisoning Episode Files: Variance Estimation

- ◆ **Design information from the entire sample must be used in variance estimation**
- ◆ **Design information is found in the Person file**

Injury Episode File Poisoning Episode File Injury Verbatim File

- ◆ **Contain ONLY injury or poisoning information and unique identifiers**
- ◆ **Must be linked to the Person file to obtain sociodemographic variables, design variables, etc.**

Injury Episode File

- ◆ **Contains a maximum of:**
 - ◆ **four injury episodes**
 - ◆ **four ICD-9-CM codes**
 - ◆ **three E codes**
- ◆ **Contains nine poisoning episodes in 1997**

Injury Episode File

- ◆ **ICD-9-CM code and E codes are based on information supplied by respondents, not medically trained personnel**
- ◆ **Analysts should be cautioned against making estimates based on small numbers of observations**

Poisoning Episode File

- ◆ **Contains no ICD-9-CM codes or E codes**
- ◆ **Contains episodes coded as “Allergic/adverse reaction to medical or other substance” or “Something else – NOT poisoning”**

Injury Verbatim File

- ◆ **Edited only for confidentiality**
- ◆ **Grammatical and/or spelling errors were not corrected**
- ◆ **Analysts should be cautioned against making estimates based on small numbers of observations**

Injury Section – Person File

- ◆ **Contains summary information about injury and poisoning episodes**
- ◆ **Annual estimates can only be made on variables INJCT, ICD9CT, and POICT**